



US009186970B1

(12) **United States Patent**
Marsh

(10) **Patent No.:** **US 9,186,970 B1**
(45) **Date of Patent:** **Nov. 17, 2015**

(54) **TRUCK BED EXTENSION COVER**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/300,323**

(22) Filed: **Jun. 10, 2014**

(51) **Int. Cl.**
B60J 7/16 (2006.01)

(52) **U.S. Cl.**
CPC **B60J 7/1621** (2013.01)

(58) **Field of Classification Search**
CPC B60J 7/1621; B60J 7/02
USPC 296/100.06, 26.11, 26.08, 57.1, 37.1,
296/37.6

See application file for complete search history.

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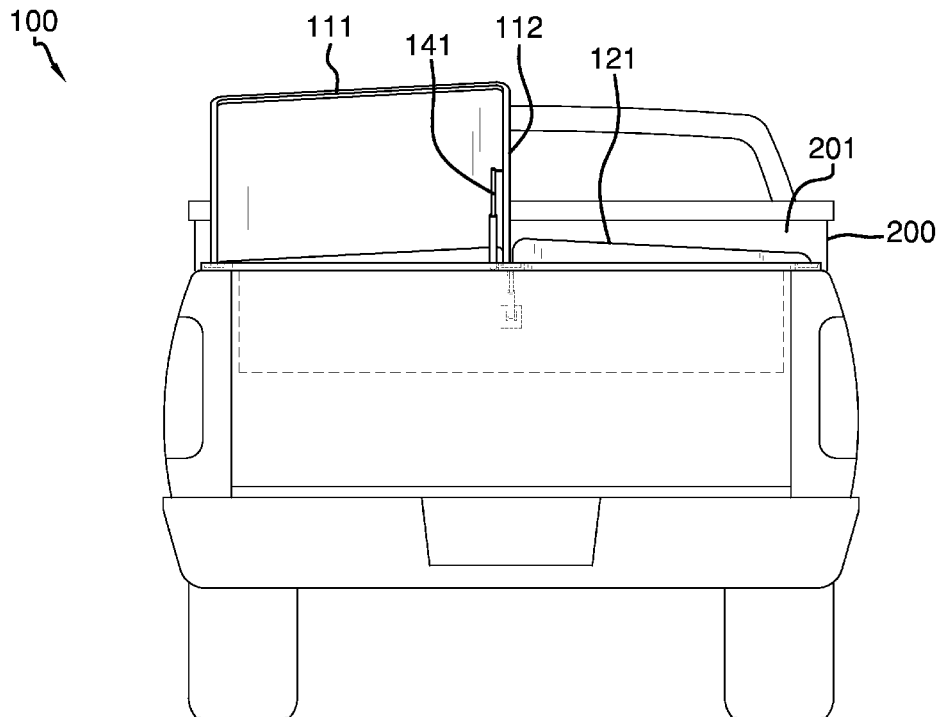
Assistant Examiner — Dana Ivey

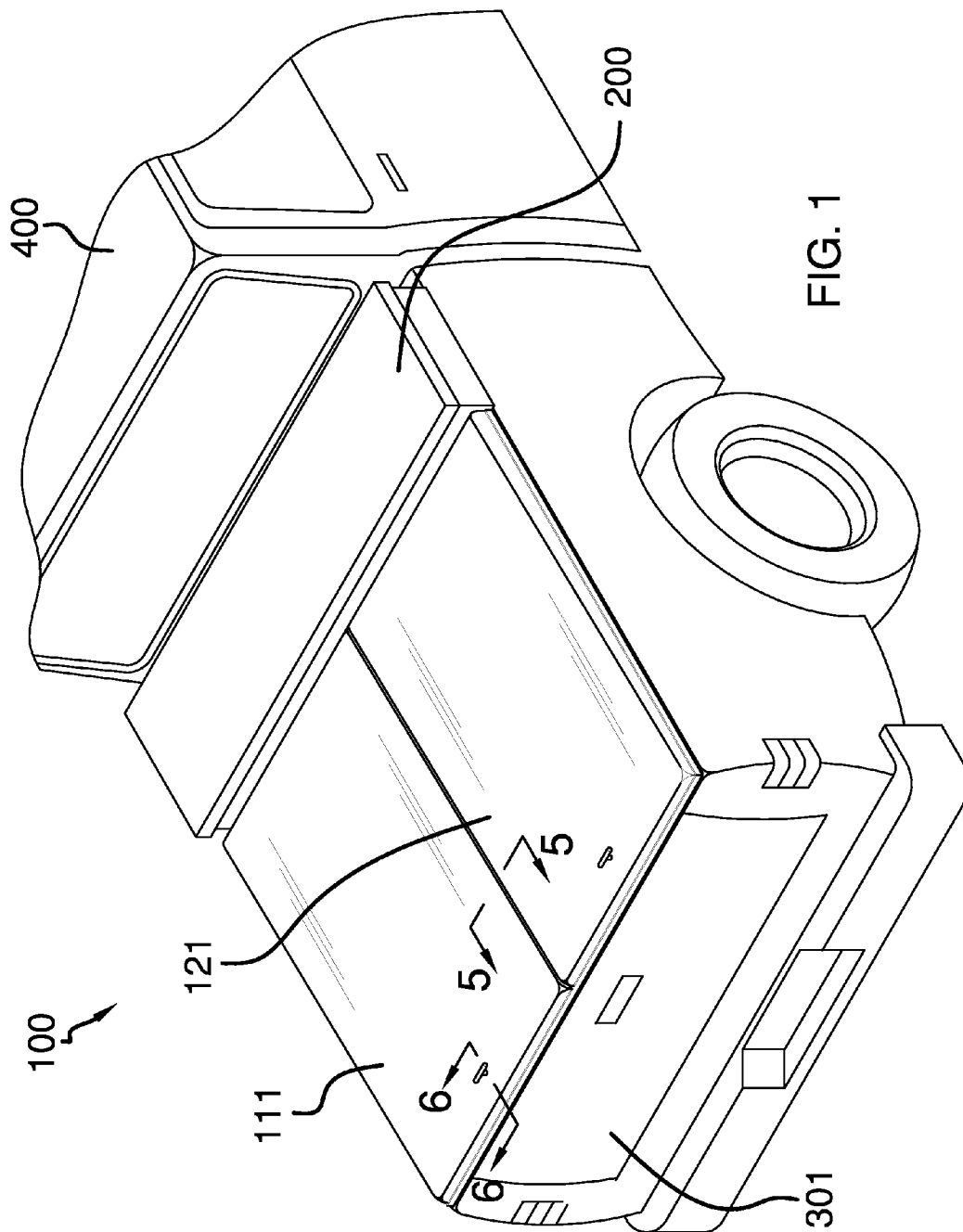
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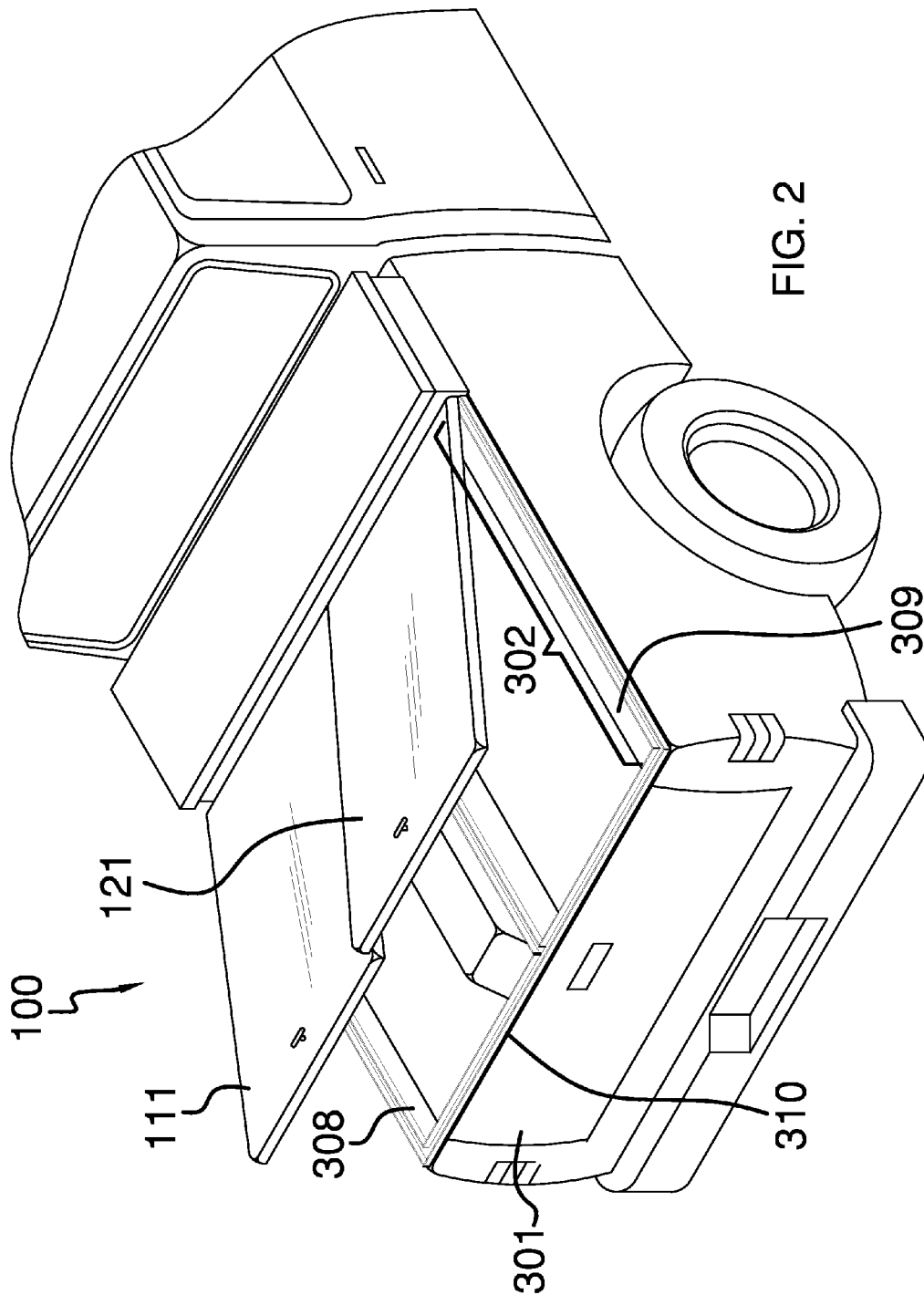
(57) **ABSTRACT**

The truck bed extension cover includes two cover members that operate independent of one another, and which are both affixed to a hinge member. The hinge member is specially adapted to attach itself to a rear surface of a truck bed toolbox such that the two cover members extend over the remaining portion of a truck bed in order to provide coverage thereon. The two cover members are generally parallel with one another, and rotate with respect to the hinge member in order to raise and lower with respect to a tailgate of said truck bed. The two cover members are further defined with a driver side cover member and a passenger side cover member. Both of the cover members include lock handles and a lift cylinder to aid in manipulation of the respective cover member.

14 Claims, 6 Drawing Sheets







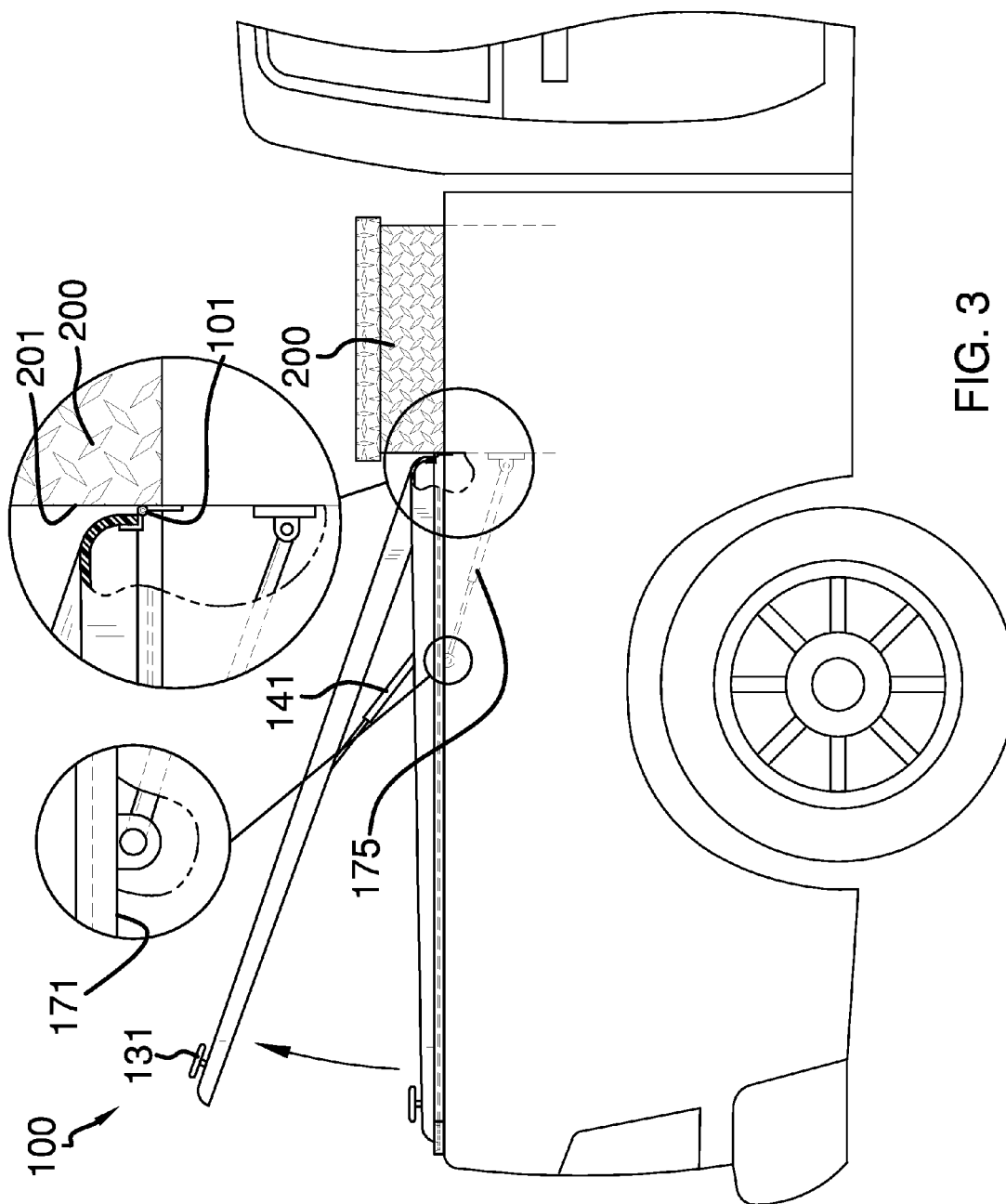


FIG. 3

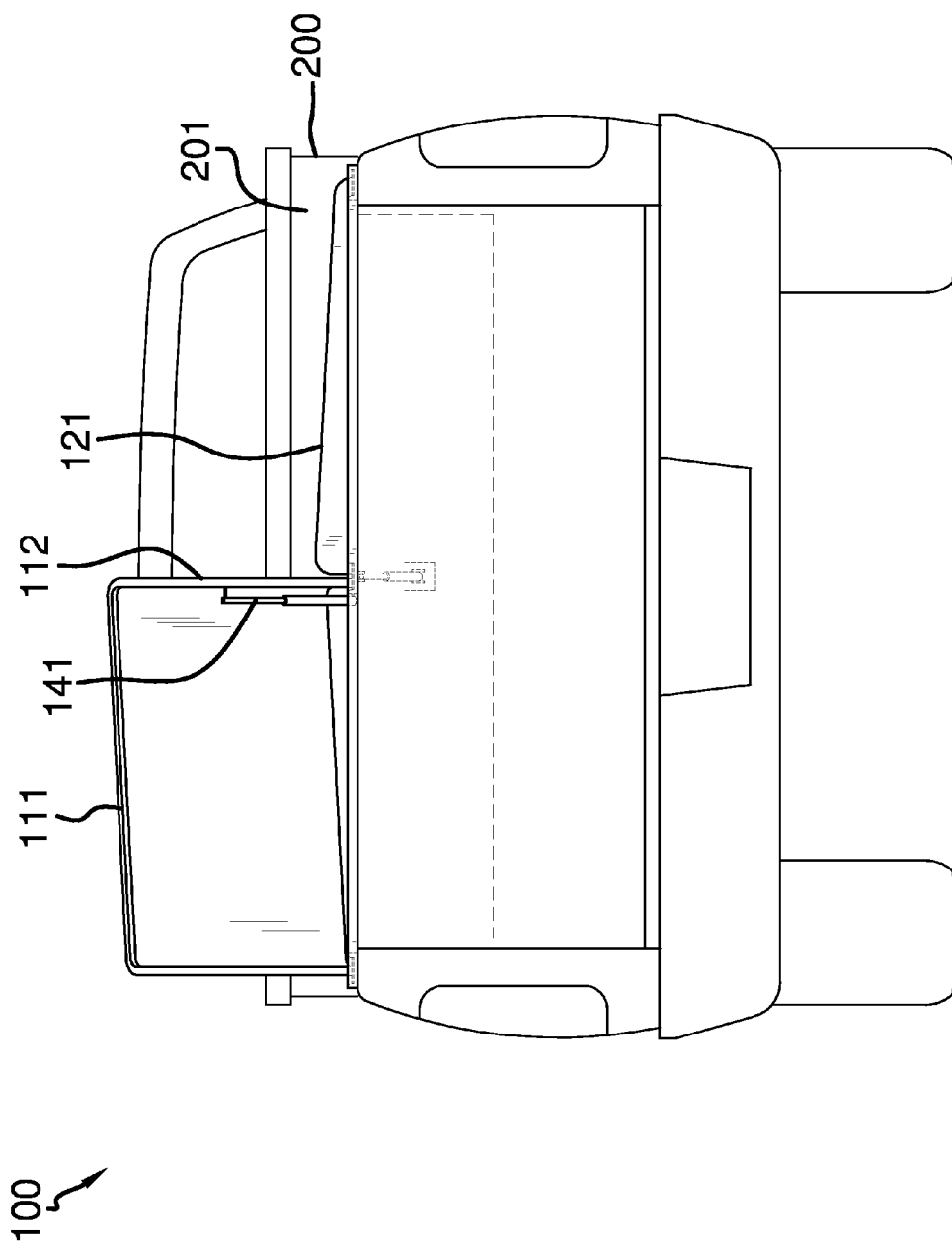


FIG. 4

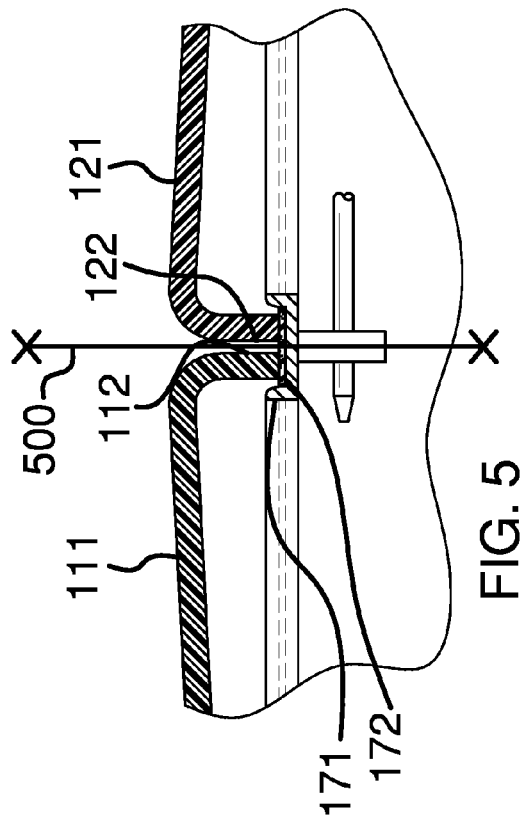


FIG. 5

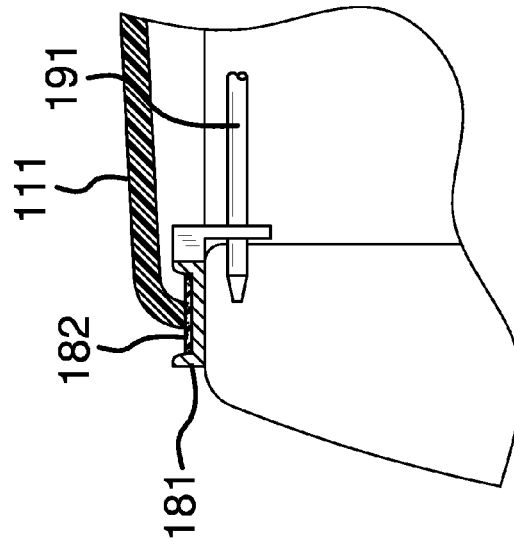


FIG. 6

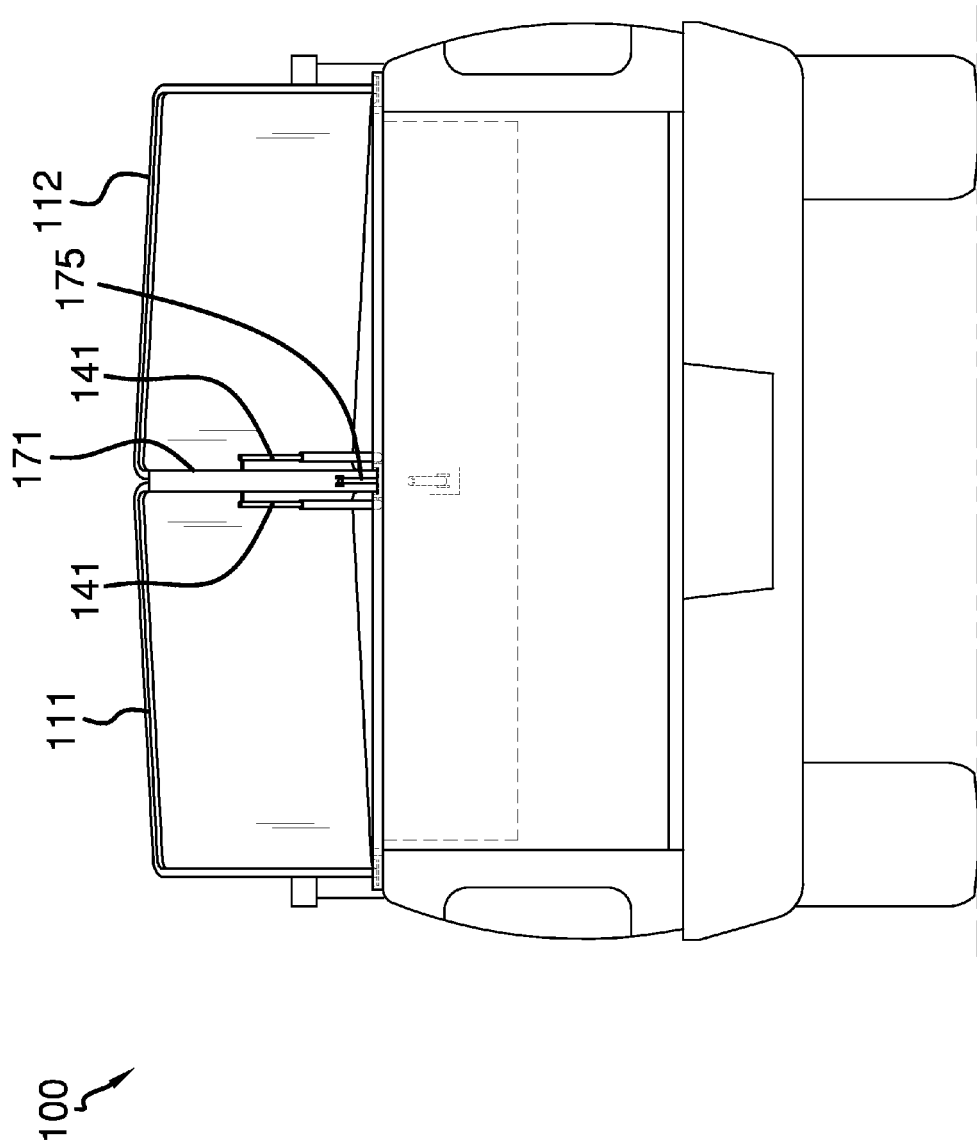


FIG. 7

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TRUCK BED EXTENSION COVER**CROSS REFERENCES TO RELATED APPLICATIONS**

Not Applicable

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH

Not Applicable

REFERENCE TO APPENDIX

Not Applicable

BACKGROUND OF THE INVENTION**A. Field of the Invention**

The present invention relates to the field of truck bed covers, more specifically, a truck bed cover that involves two cover members that operate independent of one another.

SUMMARY OF THE INVENTION

An embodiment of the disclosure meets the needs presented above by generally comprising a two cover members that operate independent of one another, and which are both affixed to a hinge member. The hinge member is specially adapted to attach itself to a rear surface of a truck bed toolbox such that the two cover members extend over the remaining portion of a truck bed in order to provide coverage thereon. The two cover members are generally parallel with one another, and rotate with respect to the hinge member in order to raise and lower with respect to a tailgate of said truck bed. The two cover members are further cover member. Both of the cover members include lock handles and a lift cylinder to aid in manipulation of the respective cover member.

An object of the invention is to provide a device that is a truck bed cover that is adapted to work with a truck bed toolbox in order to enclose off the remaining space of the truck bed.

Another object of the invention is to provide a truck bed cover that includes two cover members that operate independent of one another.

These together with additional objects, features and advantages of the truck bed extension cover will be readily apparent to those of ordinary skill in the art upon reading the following detailed description of presently preferred, but nonetheless illustrative, embodiments of the truck bed extension cover when taken in conjunction with the accompanying drawings.

In this respect, before explaining the current embodiments of the truck bed extension cover in detail, it is to be understood that the truck bed extension cover is not limited in its applications to the details of construction and arrangements of the components set forth in the following description or illustration. Those skilled in the art will appreciate that the concept of this disclosure may be readily utilized as a basis for the design of other structures, methods, and systems for carrying out the several purposes of truck bed extension cover.

It is therefore important that the claims be regarded as including such equivalent construction insofar as they do not depart from the spirit and scope of truck bed extension cover. It is also to be understood that the phraseology and terminol-

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ogy employed herein are for purposes of description and should not be regarded as limiting.

BRIEF DESCRIPTION OF THE DRAWINGS

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The disclosure will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:

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FIG. 1 is a perspective view of the truck bed extension cover.

FIG. 2 is a second perspective view of the truck bed extension cover.

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FIG. 3 is a side view of the truck bed extension cover.

FIG. 4 is a rear view of the truck bed extension cover.

FIG. 5 is a close-up detail view of the truck bed extension cover.

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FIG. 6 is another close-up detail view of the truck bed extension cover.

FIG. 7 is a rear view of the truck bed extension cover.

DETAILED DESCRIPTION OF THE EMBODIMENT

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The following detailed description is merely exemplary in nature and is not intended to limit the described embodiments of the application and uses of the described embodiments. As used herein, the word "exemplary" or "illustrative" means "serving as an example, instance, or illustration." Any implementation described herein as "exemplary" or "illustrative" is not necessarily to be construed as preferred or advantageous over other implementations. All of the implementations described below are exemplary implementations provided to enable persons skilled in the art to practice the disclosure and are not intended to limit the scope of the appended claims. Furthermore, there is no intention to be bound by any expressed or implied theory presented in the preceding technical field, background, brief summary or the following detailed description.

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As best illustrated in FIGS. 1 through 7, the truck bed extension cover **100** (hereinafter invention) generally comprises a hinge member **101** that is configured to attach to a truck bed toolbox **200**. It shall be noted that the term "truck bed toolbox **200**" is being used to refer to toolboxes that mount and hang on a forwardmost portion of a truck bed **300**. That being said, the invention **100** is designed to act as a truck bed cover for the portion of the truck bed **300** that remains exposed from the truck bed toolbox **200** to a tailgate **301**. The invention **100** is designed to cover a rear portion **302** of the truck bed **300** of a truck **400**.

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The hinge member **101** attaches to a rear surface **201** of the truck bed toolbox **200**. Moreover, the hinge member **101** is affixed to a driver side cover member **111** as well as a passenger side cover member **121**. The driver side cover member **111** is parallel with the passenger side cover member **121**. The driver side cover member **111** is able to open and close independent of the passenger side cover member **121**. The driver side cover member **111** is a mirror image of the passenger side cover member **121**. The driver side cover member **111** and the passenger side cover member **121** collectively are adapted to engage a top left side truck bed surface **308** and a top right side truck bed surface **309** as well as a top tailgate surface **310**.

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Referring to FIGS. 3 and 4, both the driver side cover member **111** as well as the passenger side cover member **121** include a locking handle **131** and a lift cylinder **141**. The locking handle **131** is able to lock and unlock the respective

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cover member, and is commonly known in the art pertaining to truck bed covers. The lift cylinder **141** is also commonly known in the art unit, and provides mechanical power needed to raise and lower the respective cover member with respect to the truck bed **300**. The lift cylinders **141** are located adjacent a middle axis **500**, which defines a right edge **112** of the driver side cover member **111** from a left edge **122** of the passenger side cover member **121**.

Referring to FIG. **5**, a center support channel **171** may be included with the invention **100**. The center support channel **171** is included to support the driver side cover member **111** as well as the passenger side cover member **121** along the middle axis **500**. It shall be noted that the center support channel **171** may extend from the toolbox **200** to the tailgate **301** if additional support is required. However, the center support channel **171** may simply extend adjacent the rear surface **201** of the toolbox **200**, and not extend rearwardly with respect to the truck bed **300**. The center support channel **171** may include a center rubber member **172** to form a watertight seal between the driver side cover member **111** and the passenger side cover member **121**.

The center support channel **171** may include a center lift cylinder **175** that raises and lowers the center support channel **171** with respect to the hinge member **101**. Moreover, the center lift cylinder **175** would work in concert with the lift cylinders **141** in order to raise the driver side cover member **111** and the passenger side cover member **121** in concert.

That being said, in FIG. **6**, an edge support member **181** is adapted to extend along the top left side truck bed surface **308** and the top right side truck bed surface **309** as well as a top tailgate surface **310**. The edge support member **181** may include an edge rubber member **182** to form a watertight seal between the truck bed **300** and the driver side cover member **111** as well as the passenger side cover member **121**.

Also, a handle locking rod **191** may extend across the truck bed **300** in order for the locking handles **131** of the driver side cover member **111** and the passenger side cover member **121** to engage.

With respect to the above description, it is to be realized that the optimum dimensional relationship for the various components of the invention **100**, to include variations in size, materials, shape, form, function, and the manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by the invention **100**.

It shall be noted that those skilled in the art will readily recognize numerous adaptations and modifications which can be made to the various embodiments of the present invention which will result in an improved invention, yet all of which will fall within the spirit and scope of the present invention as defined in the following claims. Accordingly, the invention is to be limited only by the scope of the following claims and their equivalents.

The inventor claims:

1. A truck bed extension cover comprising:

a hinged member adapted to be secured to a rear surface of a truck bed toolbox; and

a driver side cover member as well as a passenger side cover member are attached to the hinged member; wherein the driver side cover member rotates independent of the passenger side cover member;

wherein both the driver side cover member and the passenger side cover member are collectively adapted to provide coverage of a rear portion of a truck bed, which is defined as the portion extending from the rear surface of the truck bed toolbox and a tailgate;

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wherein the driver side cover member is parallel with the passenger side cover member;

wherein the driver side cover member is able to open and close independent of the passenger side cover member; wherein the driver side cover member is a mirror image of the passenger side cover member;

wherein the driver side cover member and the passenger side cover member collectively are adapted to engage a top left side truck bed surface and a top right side truck bed surface as well as a top tailgate surface;

wherein both the driver side cover member as well as the passenger side cover member include a locking handle and a lift cylinder;

wherein the lift cylinders are located adjacent a middle axis, wherein the middle axis defines a right edge of the driver side cover member from a left edge of the passenger side cover member.

2. The truck bed extension cover according to claim 1 wherein a center support channel is included to support the driver side cover member as well as the passenger side cover member along the middle axis.

3. The truck bed extension cover according to claim 2 wherein the center support channel includes a center rubber member to form a watertight seal between the driver side cover member and the passenger side cover member.

4. The truck bed extension cover according to claim 3 wherein the center support channel includes a center lift cylinder that raises and lowers the center support channel with respect to the hinge member; wherein the center lift cylinder works with the lift cylinders in order to raise the driver side cover member and the passenger side cover member in concert.

5. The truck bed extension cover according to claim 4 wherein an edge support member is adapted to extend along the top left side truck bed surface and the top right side truck bed surface as well as a top tailgate surface.

6. The truck bed extension cover according to claim 5 wherein the edge support member include an edge rubber member to form a watertight seal between the truck bed and the driver side cover member or the passenger side cover member.

7. The truck bed extension cover according to claim 6 wherein a handle locking rod extends across the truck bed in order for the locking handles of the driver side cover member and the passenger side cover member to engage, and lock the respective cover member to the truck bed.

8. A truck bed extension cover comprising:

a hinged member adapted to be secured to a rear surface of a truck bed toolbox; and

a driver side cover member as well as a passenger side cover member are attached to the hinged member;

wherein the driver side cover member rotates independent of the passenger side cover member;

wherein both the driver side cover member and the passenger side cover member are collectively adapted to provide coverage of a rear portion of a truck bed, which is defined as the portion extending from the rear surface of the truck bed toolbox and a tailgate;

wherein the driver side cover member and the passenger side cover member collectively are adapted to engage a top left side truck bed surface and a top right side truck bed surface as well as a top tailgate surface;

wherein both the driver side cover member as well as the passenger side cover member include a locking handle and a lift cylinder;

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wherein the lift cylinders are located adjacent a middle axis, wherein the middle axis defines a right edge of the driver side cover member from a left edge of the passenger side cover member;

wherein a center support channel is included to support the driver side cover member as well as the passenger side cover member along the middle axis.

9. The truck bed extension cover according to claim 8 wherein the driver side cover member is parallel with the passenger side cover member.

10. The truck bed extension cover according to claim 9 wherein the driver side cover member is able to open and close independent of the passenger side cover member; wherein the driver side cover member is a mirror image of the passenger side cover member.

11. The truck bed extension cover according to claim 10 wherein the center support channel includes a center rubber member to form a watertight seal between the driver side cover member and the passenger side cover member; wherein the center support channel includes a center lift cylinder that

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raises and lowers the center support channel with respect to the hinge member; wherein the center lift cylinder works with the lift cylinders in order to raise the driver side cover member and the passenger side cover member in concert.

12. The truck bed extension cover according to claim 11 wherein an edge support member is adapted to extend along the top left side truck bed surface and the top right side truck bed surface as well as a top tailgate surface.

13. The truck bed extension cover according to claim 12 wherein the edge support member include an edge rubber member to form a watertight seal between the truck bed and the driver side cover member or the passenger side cover member.

14. The truck bed extension cover according to claim 13 wherein a handle locking rod extends across the truck bed in order for the locking handles of the driver side cover member and the passenger side cover member to engage, and lock the respective cover member to the truck bed.

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